

DK 0501, 5,

USSR/ Miscellaneous - Radio amateurs

Card 1/1 Pub. 89 - 6/33

Authors : Drobot, G., and Gromadchenko, A.

Title : The network of radio circles grows

Periodical : Radio 2, 9-10, Feb 56

Abstract : The number of persons interested in amateur radio is increasing in the cities of Tallin and Shakhty as is also the number of clubs into which they are organized. Illustrations.

Institution :

Submitted :

107-57-3-9/64

AUTHOR: Drobot, G. .

TITLE: An Urgent Matter (Neotlozhnoye delo)

PERIODICAL: Radio, 1957, Nr 3, p 9 (USSR)

ABSTRACT: Difficulties in the organization of radio study groups at boarding high schools are discussed. Aseyev, Deputy Chief of the City Division of People's Education, said that his Division welcomes radio amateurism at boarding schools but cannot render any practical help. In his opinion, the Komsomol and social organizations should help. Since boarding schools were instituted in Moscow only in 1956, some of them have only five or seven grades. Physics is hardly taught there. At Nr 12 Moscow boarding school, an additional two hours a week was introduced for teaching the principles of radio. Il'in, Director of the school, Yemel'yanov, Deputy Chief of the Moscow City radio club, and Samet, the future instructor of the radio study group, helped in this matter. Stepanov, Chairman of the Parents Committee, is supervising the work of the radio study group at Nr 16 Moscow boarding school. So far, radio study groups have existed only at the above two boarding schools. Such groups are considered highly desirable for other boarding schools.

Card 1/1

AUTHOR: Drobot, G., (Stupino, Moscow Oblast) SOV/107-58-2-6/32

TITLE: Army Signal Corps Men Are the Organizers of Radio Circles
(Armeyskiye svyazisty - organizatory radiokruzhkov)

PERIODICAL: Radio, 1958, Nr 2, p 13 and page 1 of center fold (USSR)

ABSTRACT: The article describes the assistance furnished by members of a Soviet Army Signal Corps unit in setting up a radio amateur group at the Stupino School Nr 2. There is one photo.

1. Armed forces--USSR 2. Radio operators--USSR

Card 1/1

AUTHOR: Drobot, G. SOV-107-58-9-11/38

TITLE: The Constructor of Electronic Machines (Konstruktor elektronnykh mashin)

PERIODICAL: Radio, 1958, Nr 9, p 12 (USSR)

ABSTRACT: The author mentions the training and the part that Adol'f Kondrashev has played in the development of the "Ural" Electronic Computer and in a new universal computer which is being developed. There is 1 photo.

1. Scientific personnel--USSR 2. Mathematical computers
--Development

Card 1/1

DROBOT, G.

After the reorganization. Okhr.truda i sots.strakh. no.1:42-
47 Ja '59. (MIRA 12:2}

1. Zaveduyushchiy otделom okhrany truda Dnepropetrovskogo
oblsovprofa.
(Dnepropetrovsk Province--Industrial hygiene)

DROBOT, G. (Rostov-na-Donu)

Radio amateurs of the Rostov Agricultural Machinery Factory.
Radio no.1:5-6 Ja '60. (MIRA 13:5)
(Rostov--Radio in agriculture)

DROBOT, G.

Havana! Moscow is calling. Radio no.12:3 D '60. (MIRA 14:1)
(Radiotelegraph) (Russia—Foreign relations—Cuba)
(Cuba—Foreign relations—Russia)

DROBOT, G.

Physician and designer. Radio no.2:12-13 F '61. (MIRA 14:9)
(Medical electronics)

USSR/Electronics - Wired Radio
Amplifying Equipment

Jun 52

"Equipment for Wired Radio Centers Should Be of High
Quality and Should Be Supplied Complete," I. Drobot,
Section Technician, Kiev Directorate of Wired Radio
Network

"Radio" No 6, p 18

The last model of the TU-500 amplifier, the TU-500-3,
is considerably improved over earlier models. How-
ever, the equipment still has some defects, e.g., the

236r24

VG-129 gas-filled rectifiers' power-handling capacity
is too low and the amplifiers sent to the wired
centers for installation are not equipped with an
antenna or power switchboard.

236r24

DROBOT, I.

DROBOT, J

Drobot J.

Drobot J., Eng. "Modern Organization and Technique in the Construction of Large Steam Power Stations." (Nowoczesna organizacja i technika budowy wielkich elektrowni cieplnych). Energetyka, No. 1-2, 1950, pp. 35-42, 2 figs., 1 tab.

A modern steam power station is characterized by distinctive buildings adapted exclusively for the accommodation and operation of electric power equipment. Technical project for the construction of a modern 300 MVA steam power station; plan of work organization; organization of the execution, using modern means of mechanisation of the engineering and constructional work. Forms and methods of organizing and pursuing the work in the case of large electric plants essential for the performance of the tasks of the Six-Year Economic Plan.

SO: Polish Technical Abstracts - No. 2, 1951

L 17017-63

EWP(q)/BDS/EWT(m) AFFTC/ASD JD

S/078/63/008/005/020/021

AUTHOR: Fedorov, P. I., Dudarov, A. G. and Drobot, N. F. 57

TITLE: An InI - CuI system

PERIODICAL: Zhurnal neorganicheskoy khimii, v. VIII, No. 5, May 1963, 1286-1287

TEXT: Their experimental study of an $\text{InI}_3\text{-CuI}$ system leads the authors to conclude that in the system two compounds are present -- $\text{InI}_3\cdot\text{CuI}$, of peritectic type incongruently fusible at 300° , and $\text{InI}_3\cdot\text{CuI}$, fusible at 560° with breakdown into two liquid phases; further, that the compound $\text{InI}_3\cdot\text{CuI}$ forms a eutectic with InI_3 (5 mol % CuI) with fusion temperature of 170° , and that the compound InI_3 forms a eutectic with $\gamma\text{-CuI}$ (92.5 mol % CuI) fusible at temperature 500° . There is 1 figure.

SUBMITTED: Oct. 16, 1962

Card 1/1

L 17018-63

EWP(q)/EWT(m)/BDS AFFTC JD

S/078/63/008/005/021/021

AUTHOR: Fedorov, P. I., Dunareva, A. G. and Drobot, N. F. 55

TITLE: Pressure of a saturated vapor of indium iodide (III)

PERIODICAL: Zhurnal neorganicheskoy khimii, v. VIII, No. 5, May 1963, 1287-1288

TEXT: The authors fused indium iodide at 198°, determining the pressure of the resulting vapor within the interval 200 - 300°. The inert gas present was nitrogen which had been previously purified. The results are presented graphically. There is 1 figure and 1 table.

SUBMITTED: June 16, 1962

Card 1/1

ZHUKOV, A.V., doktor tekhn.nauk; ABRAMOVICH, M.D., kand.tekhn.nauk;
SAKHAROVA, N.A., inzh.; KUROLAPNIK, S.D., inzh.; DROBOT, N.K.,
inzh.

Carpet-pattern tiles made by dry-pressing for the finishing of
wall panels. Stek.1 ker. 22 no.10:28-30 0 '65.

(MIRA 18:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut stroitel'-
nykh materialov i izdeliy (NIISMI), Kiyev.

DROBOT, N.M.; KHAZANOV, Ye.I.

Method of measuring electric conductivity for the study of sintering processes in alumina-containing mixtures. Izv. SO AN SSSR no.7
Ser.khim.nauk no.2:54-61 '63. (MIRA 16:10)

1. Institut nefte- i uglekhimicheskogo sinteza Sibirskogo otdeleniya AN SSSR, Irkutsk.

DROBOT, S.

Mathematical Reviews
Vol. 15 No. 3
March 1954
Mechanics

✓
Drobot, S. On torsional vibrations of a shaft. Arch.
Méc. Appl., Gdańsk 3, 127-146 (1951). (Russian.
Polish summary)

This paper deals with the calculation of the natural torsional frequencies of a crank-shaft, idealized to a massless elastic shaft supporting heavy discs. The well known theory is expounded again. First the homogeneous shaft of the n th order is dealt with, i.e., $n+1$ identical discs connected by n identical shafts. Then these results are applied to the case in which two or three unequal discs are added. The article closes with a numerical example and a nomogram for finding the frequencies of a homogeneous shaft of the 4th order with two additional unequal masses. W. H. Muller.

EH 6-11-54

DROBOT, S.

Mathematical Reviews
Vol. 14 No. 11
December, 1953
History.

✓ Drobot, S. The scientific work of M. T. Huber. Zasto-
powania Mat. 1, 55-65 (1953). (Polish)

8/18/54 CM

methods based on mathematical statistics.

D. M. Sandelius (Göteborg) /

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041122

~~DROBOT~~ S.

"The role of mathematics in technical sciences."

p. 5 (Kosmos. Serbia B: Przyroda Nieożywiona) Vol. 3, no. 1, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

DROBOT, S.T.

S/133/61000/012/003/006
A054/A127

AUTHORS: Shevakin, Yu.F., Candidate of Technical Sciences, Docent; Sedykh, G.A., Engineer; Seydaliyev, F.S., Candidate of Technical Sciences; Naumenko, G.N.; Drobot, S.T.; Rumyantsev, N.G.; - Technicians

TITLE: Cold-rolling stainless steel tubes with increased drafts

PERIODICAL: Stal', no. 12, 1961, 1,105 - 1,107

TEXT: The degree of draft depends on the stability of the stand, the ductility of the material being rolled and the service life of the operating units. It is known from experience that in the conventional processes the stability of equipment is not utilized in full (the coefficient of the strength of equipment utilization for cold-rolling mills does not exceed 0.5). This factor, therefore, would permit a higher degree of deformation, which, on the other hand, would definitely shorten the life of the work tools. The service life of the latter could be increased by reducing the number of passes and raising the degree of draft. Tests were carried out to establish the possibilities of cold-rolling tubes with greater draft and fewer passes. The tests were made partly on the XHT-55 (KhPT-55) type rolling mill, with tubes 70 x (5 - 6) mm in size,

Card 1/3

Cold-rolling stainless steel tubes with

S/133/61/000/012/003/006
A054/A127

and partly on the XHT-75 (KhPT-75) and XHT-32 (KhPT-32) stands, with tubes 21 x 1.5 mm in size [93 x (6 - 8) mm → 53 x 3.5 mm → 21 x 1.5 mm]. It was found that reducing the number of passes improved the tube quality and rendered the finishing of the inner tube surface more easy. The power consumption for deformation and the tool consumption dropped (the latter by 20 - 25%). When rolling 70 x 6 → 38 x 2 mm tubes, cracks appeared in the finished tubes, due to tension stresses. These could be eliminated by turning over the tube twice on the KhPT-55 stand, which made it possible to increase the feed from 9 - 10 mm to 10 - 12 mm. When rolling 21 x 1.5 mm tubes according to this new method, buckles were observed on the tube surface, mainly caused by the great conicity of the mandrel and the groove width. To prevent these defects, the conicity of the mandrel was reduced to 0.03 and a considerable draft was applied at the beginning. Thus, buckles no longer formed and the output of the KhPT-55 mill was raised by 20% (the yield of grade-I product was 84% instead of 57% obtained when the first modification of the process was used). The consumption of groove pairs during 6 months was 169 instead of 206 (with the old method), while, moreover, the number of mandrels required decreased from 1,747 to 1,505 during the same period. However, the new rolling process requires material of high ductility. When rolling tubes of 1X18H9T (1Kh18N9T) steel, its strength limit

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Cold-rolling stainless steel tubes with

S/133/61/000/012/003/006
A054/A127

should not be higher than 65 kg/mm^2 and its relative elongation not less than 39%. There are 5 figures and 1 table.

ASSOCIATION: Moskovskiy institut stali i Yuzhnotrubby zavod (Moscow Steel Institute and Yuzhnotrubby Plant).

Card 3/3

DROBOT, T., inshener.

Improving gas burning in water heaters. Zhil.-kom. khoz. 7 no.5:18-20
'57. (MIRA 10:6)

(Water heaters)

(Gas burners)

DROBOT, T. P.

DROBOT, T. P., inzhener.

Methods of increasing thermal stability in circulating-type gas
hot-water radiators. Gor.khoz.Mosk. 31 no.8:31-33 Ag '57.
(NERA 10:9)

1. Akademiya kommunal'nogo khozyaystva imeni K.D.Pamfilova.
(Radiators)

DROBOT, T. P., Cand Tech Sci -- (diss) "Investigation of gas water heaters of the circulating type." Moscow, 1958. 22 pp; (Academy of Economy in K. D. Pamfilov); 160 copies; price not given; (KL, 19-60, 133)

DROBOT, V.F., (Moscow)

Notes of a naturalist ("Mystery of the green world." B.V. Grozdov.

Reviewed by V.F. Drobot) Priroda 44 no.10:121-122 0'55.

(Grozdov, B.V.) (Botany)

(MLRA 8:12)

AUTHOR: Drobot, V.F. (Moscow) SOV-26-58-11-42/49
TITLE: A Book on the Forest (Kniga o lese)
PERIODICAL: Priroda, 1958, Nr 11, pp 118 - 119 (USSR)
ABSTRACT: The author reviews the book by Professor B.V. Grozdov, "Sokrovishcha Lesa" (Treasures of the Forest), 160 pages, published in 1958 by the "Bryanskiy rabochiy" Publishing House, under the editorship of Lenin Prize Winner L.M. Leonov.
1. Forestry---USSR

Card 1/1

SOV/26-59-3-40/47

AUTHOR: Drobot, V.F. (Moscow)
TITLE: The Flora of the Stalingrad Steppes
PERIODICAL: Priroda, 1959, Nr 3, pp 120-121 (USSR)
ABSTRACT: This is a review of the book "Nashi stepi i polupustyni"
("Our Steppes and Semi-Deserts") by A. Kireyev, published
by the Stalingrad Book Publishing House, 1958.

Card 1/1

DROBOT, V.F. (Moskva)

"Soil depletion and reclamation methods of northern Kazakhstan"
by A.V.D'iachenko, N.T.Makarychev. Reviewed by V.F.Drobot. Priroda
49 S '60. (MIRA 13:10)

(Kazakhstan--Soil conservation)
(D'iachenko, A.V.) (Makarychev, N.T.)

DA01501, V.I.

PHASE I BOOK EXPLOITATION SOV/1297

Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i islucheniya v narodnom khozyaystve i nauke, Moscow, 1957

Polyucheniye izotopov. Kosobukhova Tamara Yustanovna. Radiometriya i dosimetriya; trudy konferentsii. (Isotope Production. High-Energy Gamma-Radiation Facilities. Radiometry and Dosimetry; Transactions of the All-Union Conference on Isotope Production and Stable Isotopes and Radiation in the National Economy and Science) Moscow, Izd-vo AN SSSR, 1959. 293 p. 5,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR; Otdel'noye upravleniye po ispol'tovaniyu atomnoy energii SSSR.

Editorial Board: Prolov, Yu.S. (Resp. Ed.), Zhavoronkov, N.M. (Deputy Resp. Ed.), Agladin, E.K., Alekseyev, B.A., Bochkarev, V.V., Lashchinskiy, N.I., Melkov, T.P., Sinityn, V.I., and Popova, G.L. (Secretary); Tech. Ed.: Novichkov, N.D.

PURPOSE: This collection is published for scientists, technologists, persons engaged in medicine or medical research, and others concerned with the production and/or use of radioactive and stable isotopes and radiation.

COVERAGE: Thirty-eight reports are included in this collection under three main subject divisions: 1) Production of isotopes 2) High-energy gamma-radiation facilities, and 3) Radiometry and dosimetry.

TABLE OF CONTENTS:

PART I. PRODUCTION OF ISOTOPES

Prolov, Yu.S., V.V. Bochkarev, and Ye.Ye. Kullish. Development of Isotope Production in the Soviet Union. This report is a general survey of production methods, apparatus, raw materials, applications, investigations, and future prospects for radio isotopes in the Soviet Union. 5

Card 2/12

Shutukhenberg, Yu.M., and V.I. Drobot. Employing a $\beta\gamma$ -Counter for Absolute Measurement of Activity 270

Shutukhenberg, Yu.M., and V.I. Drobot. A Method Employing a $\beta\gamma$ -Counter for Registering Internal-Conversion Electrons 278

Tissen, H.Yu. A Scintillation $\beta\gamma$ -Counter With Stilbene Crystals for Absolute Measurement of Beta-activity. This article describes a counter for the absolute measurement of beta-activity from 0.15 to 3.5 Mev. The instrument uses two standard stilbene crystals (30 mm diameter, 10 mm height) and photomultiplier PMU-19 or PMU-29. Correction factors are discussed and data on activity measurement are plotted. 285

AVAILABLE: Library of Congress

TU/str
4-10-59

Card 12/12

S/205/81/001/004/030/032
D298/D303

AUTHOR: Drobot, V. I., and Shtukkenberg, Yu. M.

TITLE: A differential calorimeter for measuring the activity and mean energy of beta-particles in liquid and pulviform radioactive preparations

PERIODICAL: Radiobiologiya, v. 1, no. 4, 1961, 627-632

TEXT: In 1954 a differential calorimeter based on thermal resistances was designed to determine the absolute activity of radioactive preparations and the mean energy of beta-particles. The schematic diagram of the calorimeter is shown as well as a section of the calorimeter. The calorimeter has a sensitivity of $1.85 \cdot 10^5 \text{ mm/w} \approx 7.7 \cdot 10^5 \text{ mm}\cdot\text{sec/cal.}$ Tests revealed that the accuracy of measurement was $\pm 2 - 3\%$ for preparations with an activity of $50 - 100 \mu\text{c}$ with $\bar{E} > 0.1 \text{ Mev.}$ [Abstracter's note: \bar{E} —mean energy of beta-particles expressed in Mev.] Experiments confirmed that the calorimeter's sensitivity was in linear

Card 1/2

A differential calorimeter...

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D298/D303

dependence with I , R and α . [Abstracter's note: α — temperature coefficient of thermal resistance.] It was found that measurements could be made with current and thermal resistant values whose thermal effect in the calorimeter was a 100 times and more greater than the thermal effect being measured. Further research revealed that the sensitivity of the calorimeter could be improved by increasing I , R and α . There are 6 figures, 1 table and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc.

SUBMITTED: January 6, 1961

Card 2/2

✓

DROBOT, V.I.; KALUGIN, K.S.; SHTUKKENBERG, Yu.M.

Device for the measurement of external human radiation. Med.
rad. 8 no.10:77-82 O '63. (MIRA 17:6)

KRESTOV, R.M.; DROBOT, V.M.; PAKIMANOV, D.M.; POPOV, N.G.

Concerning P.I.Sokolov's article "Reserve feed pumps with steam
drives for boiler systems." Prom.energ. 19 no.7:27-29 J1 '64.
(MIRA 18:1)

L 27916-66 EPF(m)-2/EWP(f)/T-2/ETC(m)-6 WW

ACC NR: AP6017731

SOURCE CODE: UR/0114/66/000/001/0001/0005

AUTHOR: Drobot, V. P. (Engineer)

ORG: none

TITLE: Selecting the gas stage for the 400-540 MW steam-and-gas turbine installation developed by the Central Boiler and Turbine Institute imeni Polzunov

SOURCE: Energomashinostroyeniye, no. 1, 1966, 1-5

TOPIC TAGS: gas turbine, steam turbine/K-300-240 steam turbine

ABSTRACT: On the basis of an analysis of the flowsheets and parameters of various gas stages it is concluded that the gas stage most suitable for steam-and-gas installations with a K-300-240 steam turbine can be of the most elementary kind, with a single heat intake and without an intermediate air cooler; its compression ratio is close to optimal. For steam-and-gas turbine installations with capacities exceeding 400 MW it appears expedient to use a gas stage with two superchargers and a single output gas turbine mounted on the same shaft as the steam turbine. The duplex two-supercharger version makes it possible to start designing steam-and-gas turbine installations of a capacity as high as 1000 MW. Orig. art. has: 3 figures, 2 formulas and 2 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 004

UDC: 62-175.001.5

Card 1/1 BKG

KORNEYEV, N.I., kand.tekhn.nauk; DROBOT, V.P., inzh.

Combined steam and gas-turbine plant with a 200 mw. unit.
Teploenergetika 8 no.10:50-54, 0 '61. (MIRA 14:10)

1. TSentral'nyy kotlotrubinnyy institut.
(Power plants)

KORNEYEV, M.I., kand.tekhn.nauk; DROBOT, V.P., inzh.

Block-type steam-gas system with 200 Mw. rating. Energomashinostroenie
9 no.6:26 Ja '63. (MIRA 16:9)

SHTUKKENBERG, Yu. M.; KALUGIN, K. S.; DROBOT, V. I.

"Facilities with Water Shielding for Measuring External Radiation from Human Subjects."

paper presented at Symp on Assessment of Radioactive Body Burdens in Man, Heidelberg, W. Germany, 11-16 May 64.

ACC NR: AR7004888

SOURCE CODE: UR/0276/66/000/009/V032/V032

AUTHOR: Drobot, Yu. B.

TITLE: Theoretical calculation of parameters for the process of bending with stretching of thin-walled sections

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9V238

REF SOURCE: Tr. Kafedry proiz-va letatel'n. apparatov. Kuybyshevsk. aviats. in-t, vyp. 20, ch. 2, 1965, 251-260

TOPIC TAGS: bending, stress analysis, spring, oblique bending, elasticity

ABSTRACT: A theoretical analysis is presented of the process of oblique bending with stretching of shapes, and fundamental factors affecting elastic spring back are established. The experimental results were verified under production conditions. It was determined that disregarding the oblique bending in the calculations for parameters for bending with stretching leads to appreciable errors in the force parameters determined. An allowance for oblique bending makes it possible

Card 1/2

UDC: 621.981.011

ACC NR: AR7004888

to determine the production parameters with a sufficient degree of accuracy.

The original article has 3 figures and a bibliography of 9 reference items.

S. Shirman. [Translation of abstract]

[AM]

SUB CODE: 13/

Card 2/2

ДРОБОТ, Ю. И.

Drobot, Yu. I. — "Investigation of the Influence of the Working Conditions on the Wear of Cylinders of Motors with Ignition from Compression." Min Higher Education USSR, L'vov Polytechnic Inst, L'vov, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

DROBOT, Yu. I.

USSR/Chemical Technology - Chemical Products and Their I-8
Application. Treatment of Natural Gases and Petroleum.
Motor and Jet Fuels. Lubricants.

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2584

Author : Genbov, B.B., Drobot, Yu.I.

Inst : Lvov Polytechnic Institute

Title : Effect of Sulfur Content of Diesel Fuel on Wear of the
Engine Cylinder.

Orig Pub : Dokl. L'vovsk. politekhn. in-ta, 1957, 2, No 1, 215-222

Abstract : It is shown that on increase of the sulfur content of
diesel fuel (from 0.127 to 0.995%) the wear of different
areas of the internal surfaces of the cylinders increases
to an extent that is the more pronounced the lower the
operation temperature conditions (TC) of these areas in
relation to the critical. On an increase of the TC of

Card 1/2

USSR/Chemical Technology - Chemical Products and Their I-8
Application. Treatment of Natural Gases and Petroleum.
Motor and Jet Fuels. Lubricants.

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2584

the cylinder its wear is decreased, on operation on a low-sulfur fuel as well as on a fuel with a high sulfur content. In the case of a 1ch10,5/13 engine the optimal temperature of top portion of internal cylinder surface is in the range of 150-180°. Since under optimal TC of the cylinders their wear during operation on low-sulfur and high-sulfur fuel does not differ much, the principal cause of increased wear on an increase of the sulfur content in the fuel, must be regarded as being an intensification of electrochemical corrosion.

Card 2/2

SOV/124-59-1-284

Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 1, p 36 (USSR)

AUTHOR: Drobot, Yu.I.

TITLE: On the Problem of the Mechanical Losses in the Whirl-Chamber-Engine With Compression-Ignition³

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-t, 1957, Nr 39, pp 105-113

ABSTRACT: The mechanical losses in the whirl-chamber-engine with compression-ignition are depending on the engine-design, and, for an invariable design, appear as a function of the load on the engine and the temperatures of the cooling water. The investigation of the value of mechanical losses in cases of different loads and cooling conditions in the engine 1 ChIO, 5/13, enabled the author to propose the formula

$$\sum p_T = A c_m - B c_m p_e + D p_e + F$$

for the average pressure of friction, wherein A, B, D, F are constants depending on the temperature of the cooling water, c_m the average speed of the piston, p_e the average effect of pressure. The values of the constants are

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On the Problem of the Mechanical Losses in the Whirl-Chamber-Engine With Compression-Ignition

SOV/124-59-1-284

given. It is advisable to extend the investigation results to engines similar in design. For the purpose of lowering mechanical losses it is advisable to heighten the temperature of the cooling water at the outlet up to 130 - 140°C.

V.L. Ivanov

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Card 2/2

ATOYAN, K.M., kand. tekhn. nauk; GEMBOM, B.B., kand. tekhn. nauk;
DROBCT, Yu.I., kand. tekhn. nauk; TOPOL'NIK, V.D.; HAGOPEYAK,
G.A.; NIKITIN, N.N.; RYABOV, A.V.

Power consumption for driving auxiliary units and its effect on
the traction and speed characteristics of the LAZ motorbuses.
Avt. prom. 31 no.3:30-32 Nr '65. (NIDA 18:7)

1. L'vovskiy politekhnicheskoy institut i L'vovskiy avtobusnyy
zavod.

ATOYAN, K.M., kand.tekhn.nauk; GENBOM, B.B., kand.tekhn.nauk; DROBOT, Yu.I.,
kand.tekhn.nauk; BRAZ, A.S.; NAGORNYAK, G.A.

Design and efficiency of the engine brake of the LAZ motorbuses
with carburetor V-engines. Avt.prom. 31 no.4:8-11 Ap '65.

(MIRA 18:5)

1. L'vovskiy politekhnicheskii institut i L'vovskiy avtobusnyy
zavod.

DROBOTA, V.

DROBOTA, V.

DROBOTA, V. Mobile ventilating installation in Siemens-Martin furnaces. p. 45.

Vol. 8, no. 2, Feb. 1956.

METALURGIA SI CONSTRUCTIA DE MASINI.

TECHNOLOGY

RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

DROBOTA, V.

Calculation of ventilation installations with concentrated-air admission, p. 60.
(METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 9, no. 6, June 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

DROBOTA, V.

TECHNOLOGY

PERIODICAL: METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 10, no. 10, Oct. 1958

DROBOTA, V. Aeration of dye-pulverization sections. p. 892.

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 Card 1/1 Pub. 86--6/39
 Authors : Drobot'ko, V. G., Act. Mem. Ukrainian Acad of Sc.
 Title : ~~Popular medicine and vegetable bactericidal substances~~
 Periodical : Priroda 44/1, 45--48, Jan 1955
 Abstract : An explanation is given of how, through trial and error, mixed with superstition, mankind came to know of the medicinal properties of certain forms of vegetation, some of which like *adonis vernalis* are found in modern materia medica. The Latin names are given for a number of such herbs with a description of their properties. An account is given also of laboratory research of over 400 forms of vegetation 85% of which were found to be antibacteriolytic. Three Russian and Soviet references (1878-1950).
 Institution :
 Submitted :

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fungicide, bactericide, and growth stimulant for
cultural crops

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"Imanin" has been approved for medical use by order of the Ministry of Health USSR and is being manufactured by the Darnitskiy Chemicopharmaceutical Plant. (U)

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